

## CODESYS Sensor App for Android



With the product "CODESYS Sensor App for Android", the sensor data of from an Android smartphone can be sent to a CODESYS controller.

### Product description

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Numerous sensors are integrated in smartphones, such as Hall Effect sensors, acceleration sensors, and GPS sensors. With the "CODESYS Sensor App for Android", the data of the most popular sensors can be transmitted from an Android based device to a CODESYS controller over an IT network connection. In addition, the voice recognition of Android can be used for transmitting recognized words as strings to the controller. When an Internet connection is available, simple speech recognition can be established with the Android device (e.g. smartphone).

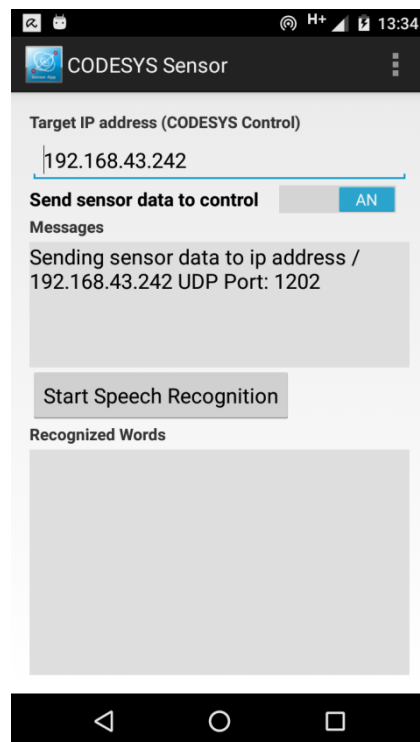
The software package also includes a sample project for the CODESYS Development System for viewing the transmitted data in a visualization.

### Range of functions

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- Included in the software package:
  - "CODESYS Sensor App for Android" (Android app) for transmitting sensor data
  - CODESYS sample project for visualizing the data on a CODESYS controller
- The following sensor data is transmitted:
  - Acceleration
  - Gyroscope
  - Magnetic field
  - Rotation
  - Proximity
  - Temperature
  - Humidity
  - Illuminance
  - Air pressure
  - Words of speech recognition

(The available sensor data may vary depending on the smartphone model.)



Screenshot: "CODESYS Sensor App for Android" on an Android device



Screenshot: Representation of sensor data in the CODESYS Development System (AndroidSensorApp.project)

## General information



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| <b>Manufacturer</b>         | 3S-Smart Software Solutions GmbH<br>Memminger Strasse 151<br>87439 Kempten<br>Germany   |
| <b>Support</b>              | Tel: +49 831 54031 66<br>support@codesys.com  |
| <b>Item</b>                 | <b>CODESYS Sensor App for Android</b>   |
| <b>Item number</b>          | <b>000073</b>   |
| <b>Sales</b>                | CODESYS Store<br><a href="http://store.codesys.com">store.codesys.com</a>   |
| <b>Included in delivery</b> | <ul style="list-style-type: none"><li>CODESYS Sensor App for Android (Android app)</li><li>Software package with CODESYS sample project</li></ul> |

## System requirements and restrictions

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|--|---|
| <b>Programming system</b>              | CODESYS Development System V3.5.8.0   |
| <b>Runtime system</b>                  | CODESYS Control V3.5.8.0  |
| <b>Supported platforms and devices</b> | All<br><br>Note: Use the "Device Reader" project for locating the functions supported by the PLC. The "Device Reader" project is available in the CODESYS Store free of charge. |
| <b>Additional requirements</b>         | <ul style="list-style-type: none"><li>Network connection between the Android device and the CODESYS controller</li><li>Internet connection (for voice control)</li></ul>        |
| <b>Restrictions</b>                    | -   |
| <b>Licensing</b>                       | License not required  |
| <b>Required accessories</b>            | <ul style="list-style-type: none"><li>Android device (e.g. smartphone)</li><li>CODESYS capable controller</li></ul>   |